

Application No.: 09/551,159

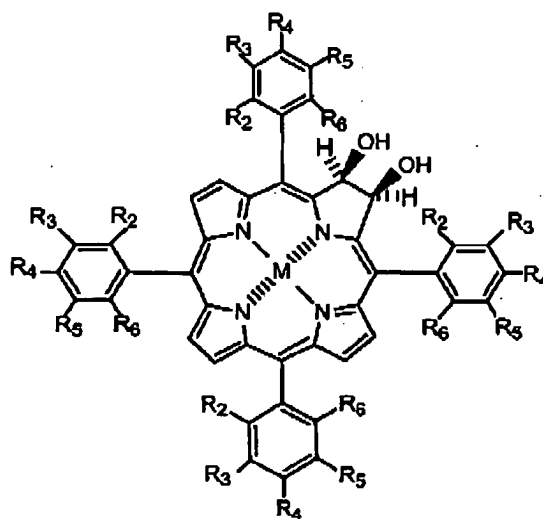
2

Docket No.: 273012011200

AMENDMENTS TO THE CLAIMS

1-30. Canceled

31. (currently amended) A compound having the formula:



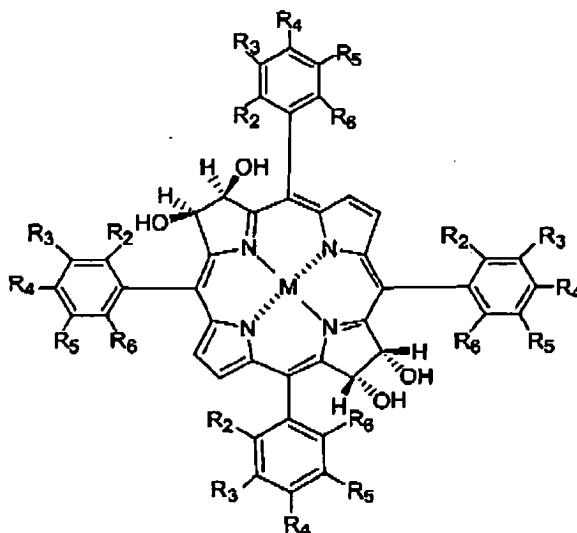
or

sd-229182

Application No.: 09/551,159

3

Docket No.: 273012011200



wherein each R_2 , R_3 , R_4 , R_5 and R_6 are independently H, nitro, halo, hydroxy, alkoxy, CO_2R or OCOR , wherein each R is C_{1-6} alkyl;

M is a metal selected from the group consisting of Ni(II), Cu(II), Zn, Sn, Ge, Si, Ga, Al, Mn(III), Gd(III), In and Tc or 2 H atoms;

and wherein said compound is selected from the group consisting of $\text{T(m-NO}_2\text{)PC(OH)}_2$ (compound 4), T(p-Br)PC(OH)_2 (compound 5), T(m-Br)PC(OH)_2 (compound 6), T(m-F)PC(OH)_2 (compound 7), T(o-F)PC(OH)_2 (compound 8), $\text{TF}_3\text{PC(OH)}_2$ (compound 9), T(m-OH)PC(OH)_2 (compound 11), $\text{T(p-CO}_2\text{Me)PC(OH)}_2$ (compound 12), $\text{T(p-OCOEt)PC(OH)}_2$ (compound 13), $\text{T(p-OCH}_3\text{)PC(OH)}_2$ (compound 14), $\text{T(m-OCH}_3\text{)PC(OH)}_2$ (compound 15), $\text{T(m,m'-OCH}_3\text{)PC(OH)}_2$ (compound 16), $\text{T(m-OCH}_3\text{,p-OH)PC(OH)}_2$ (compound 17), $\text{T(o,m,m'-OCH}_3\text{)PC(OH)}_2$ (compound 19), $\text{T(o,p,o'-OCH}_3\text{)PC(OH)}_2$ (compound 20), $\text{T(p-CH}_3\text{)PC(OH)}_2$ (compound 21), $\text{T(o,p,o'-CH}_3\text{)PC(OH)}_2$ (compound 22), and $\text{T(o,p,o'-OCH}_3\text{)PB(OH)}_4$ (compound 30), wherein each T is independently tetra

wherein M is a metal selected from the group consisting of Ni(II), Cu(II), Zn, Sn, Ge, Si, Ga, Al, Mn(III), Gd(III), In and Tc or 2 H atoms; and

sd-229182

Application No.: 09/551,159

4

Docket No.: 273012011200

~~each T is independently tetra-~~

32. (previously presented) The compound of claim 31, where M is Zn.

33. (previously presented) The compound of claim 31, where M is 2H atoms.

34. (currently amended) The compound of claim 31 ~~[[39]]~~, selected from the group consisting of T(m-OH)PC(OH)₂ (compound 11) and T(o,p,o'-OCH₃)PB(OH)₄ (compound 30).

35. (previously presented) A β,β -dihydroxy meso-substituted chlorin compound selected from the group consisting of diphenyl-2,3-dihydroxychlorin (compound 25), meso-5-(p-bromophenyl)-10,15,20-triphenyl-2,3-dihydroxychlorin (compound 26), meso-5-(p-hydroxyphenyl)-10,15,20-triphenyl-2,3-dihydroxychlorin (compound 27), and meso-5-(p-nitrophenyl)-10,15,20-triphenyl-2,3-dihydroxychlorin (compound 28).

36. (previously presented) The compound of claim 35, wherein said compound is complexed with a metal selected from the group consisting of Ni(II), Cu(II), Zn, Sn, Ge, Si, Ga, Al, Mn(III), Gd(III), In and Tc.

37. (previously presented) The compound of claim 36, where said metal is Zn.

38. (previously presented) The compound of claim 35, where the compound is selected from the group consisting of diphenyl-2,3-dihydroxychlorin (compound 25) and meso-5-(p-hydroxyphenyl)-10,15,20-triphenyl-2,3-dihydroxychlorin (compound 27).

sd-229182